



32KW Custom Heat Pump High Efficiency Low Noise Air Source Heat Pump with Vortex Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: meidibao
- Certification: CE
- Model Number: MDB-80WD
- Minimum Order Quantity: 5 SET
- Price: negotiate a price
- Packaging Details: wooden frame or plywood box
- Delivery Time: 25-30 days
- Payment Terms: T/T
- Supply Ability: 10 set one day



Product Specification

- Heat Exchanger: Plate Heat Exchanger
- Refrigerant: R410A
- Power Supply: 220V/3PH//60Hz Or 50Hz
- Compressor Type: Scroll
- Type: Air Source Heat Pump
- Noise: ≤ 65
- Name: Custom Heat Pump
- Highlight: **32KW Crstom Heat Pump, Crstom Heat Pump High Efficiency, 32KW High Efficiency Heat Pump**

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Product Description

32KW Custom Heat Pump - High Efficiency, Low Noise, Low Vibration with Vortex Compressor

The 32KW Custom Heat Pump is tailored to meet specific customer capacity and power requirements. Meidibao's air source heat pump system operates continuously using ambient air, providing reliable hot water throughout the year regardless of weather conditions.

This system delivers significant operational savings: 67% less than gas water heaters, 75% less than electric water heaters, and 60% less than traditional boilers. Featuring intelligent microcomputer control, the unit automatically operates based on water tank temperature and usage patterns, eliminating the need for manual supervision.

Key Features

Compressor: Utilizes world-renowned brand rotary or fully enclosed vortex compressors for low noise, minimal vibration, high efficiency, and extended service life. Multiple compressor units feature automatic unloading at partial loads for energy conservation and reduced startup frequency.

Water Side Heat Exchanger: High-efficiency shell tube or threaded casing heat exchangers provide compact design, lightweight construction, easy disassembly, convective heat conduction, and maximum working pressure of 45kgf/cm². Insulated with 10mm PE to prevent energy loss.

Air Side Heat Exchanger: Integral hydrophilic finned inner threaded tube design offers large windward area, high heat transfer efficiency, oxidation and corrosion resistance. Hydrophilic fins minimize condensation and frosting, ensuring reliable winter operation and normal heating/defrosting in low temperatures.

Low Noise Fan: Domestic premium brand motors with axial impeller design feature bearings that resist overheating and require no oil injection maintenance. Blades are anti-aging and deformation-resistant, with rigorous static balance testing for optimal performance.

Housing Materials: Galvanized steel external sheet metal with pre-treatment including rust removal, cleaning, and drying. Electrostatic spraying provides durable, attractive finish on all surfaces.

Plate Heat Exchanger: Efficient heat transfer design for optimal performance.

Technical Specifications

Product	Air Source Heat Pump
Model	MDB-80WD
Climatic Type	Normal
Power Supply	220V/3HP/60Hz
Rated Heating Capacity	32kW
Rated Power Input	8kW
Max Rated Current	31.7A
Refrigerant	R410
Rated Water Temperature	55
Max Hot Water Temperature	60
Working Temperature	0-43
Water Pipe Size	DN25
Noise	≤68dB(A)
Product Dimension	840×710×1420mm
Net Weight	150kg

Testing condition: ambient Dry/Wet Bulb Temperature: 20 /15 ; Water Inlet/Outlet Temperature: 15 /55

System Advantages

Heat Pump Form Heating: Eliminates need for boiler rooms by directly absorbing heat from air, reducing costs while providing clean, safe

operation without environmental pollution. Optional auxiliary electric heating available for locations with insufficient winter heat pump capacity.

High Efficiency & Reliability: Features world-renowned brand compressors and premium refrigeration components for maximum energy efficiency. Multi-system units employ two-stage energy regulation, particularly effective for partial load conditions, enhancing energy savings and protecting against frequent system startups.

Product Images













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